

What is claimed is:

1 1. A single focus lens that is formed of only three lens components, in order from the object
2 side, as follows:

3 a first lens component that has positive refractive power and includes a first lens element;
4 an aperture diaphragm;

5 a second lens component that has positive refractive power, that has at least one aspheric
6 lens surface, and that includes a second lens element made of plastic; and

7 a third lens component that has positive refractive power, that has at least one aspheric
8 lens surface, and that includes a third lens element made of plastic;

9 wherein the following conditions are satisfied:

10 $1.0 < f_1 / f < 5.0$

11 $50 > \nu_1$

12 where

13 f_1 is the focal length of said first lens component,

14 f is the focal length of the single focus lens, and

15 ν_1 is the Abbe number of said first lens element at the d-line of 587.6 nm.

1 2. The single focus lens of claim 1, wherein said first lens component consists of said first lens
2 element.

1 3. The single focus lens of claim 1, wherein said second lens component consists of said second
2 lens element.

1 4. The single focus lens of claim 2, wherein said second lens component consists of said second
2 lens element.

1 5. The single focus lens of claim 1, wherein said third lens component consists of said third lens
2 element.

1 6. The single focus lens of claim 2, wherein said third lens component consists of said third lens
2 element.

1 7. The single focus lens of claim 3, wherein said third lens component consists of said third lens
2 element.

1 8. The single focus lens of claim 4, wherein said third lens component consists of said third lens
2 element.

1 9. The single focus lens of claim 1, wherein:

2 said first lens component is made of glass and its object-side lens surface is convex;
3 the object-side lens surface of said second lens component is concave;
4 the image-side lens surface of said second lens component is an aspheric lens surface
5 having positive refractive power and the positive refractive power of said image-side lens surface
6 of said second lens component increases as the distance from the optical axis of the single focus
7 lens increases;

8 the object-side lens surface of said third lens component is convex; and

9 the object-side lens surface of said third lens component is aspheric and the positive
10 refractive power this lens surface decreases as the distance from the optical axis of the single
11 focus lens increases.

1 10. The single focus lens of claim 9, wherein said first lens component consists of said first lens
2 element.

1 11. The single focus lens of claim 9, wherein said second lens component consists of said
2 second lens element.

1 12. The single focus lens of claim 10, wherein said second lens component consists of said
2 second lens element.

1 13. The single focus lens of claim 9, wherein said third lens component consists of said third
2 lens element.

1 14. The single focus lens of claim 10, wherein said third lens component consists of said third
2 lens element.

1 15. The single focus lens of claim 11, wherein said third lens component consists of said third
2 lens element.

1 16. A single focus lens that is formed of only three lens components, in order from the object
2 side, as follows:

3 a first lens component that has positive refractive power and includes a first lens element;
4 an aperture diaphragm;

5 a second lens component that has positive refractive power, that has at least one aspheric
6 lens surface, and that includes a second lens element made of plastic; and

7 a third lens component that has positive refractive power, that has at least one aspheric
8 lens surface, and that includes a third lens element made of plastic;

9 wherein the following conditions are satisfied:

10
$$1.0 < f_1 / f < 5.0$$

11 where

12 f_1 is the focal length of said first lens component, and

13 f is the focal length of the single focus lens.

1 17. The single focus lens of claim 16, wherein said first lens component consists of said first

2 lens element.

1 18. The single focus lens of claim 16, wherein said second lens component consists of said
2 second lens element.

1 19. The single focus lens of claim 17, wherein said second lens component consists of said
2 second lens element.

1 20. The single focus lens of claim 16, wherein said third lens component consists of said third
2 lens element.